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Application No. 10/537,310
Amendment dated June 28, 2007
Reply to Office Action of February 5, 2007

JUN 28 2007

Docket No.: NY-GRYN 223-US

AMENDMENTS TO THE CLAIMS

1-9. (Canceled)

10. (Currently amended) Method for securing logical access to information and/or computing resources in a group of computer equipment with minimum access delay while slowing down said logical access as little as possible, said group of computer equipment exchanging data with a computer telecommunication network via an access device comprising an operating system, and said data comprising transported data that conform to at least one application protocol, as well as transport data, said method comprising the steps of:

defining a finite-state machine for each application protocol;

modeling each finite-state machine in the form of a model;

generating from each model, an analysis module for each application protocol by means of an interpreter; and

filtering the transported data in said operating system by means of said analysis modules.

11. (Original) The method of claim 10, further comprising the step of verifying the conformity of said transported data with the application protocols involved by means of said analysis modules.

12. (Original) The method of claim 10, further comprising the step of restricting the capabilities offered by an application protocol by means of said analysis module.

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13. (Original) The method of claim 11, further comprising the step of restricting the capabilities offered by an application protocol by means of said analysis module.
14. (Original) The method of claim 12, further comprising the step of parameterizing said analysis modules in accordance with predetermined restrictions by a network administrator.
15. (Currently amended) An access device for securing logical access to information and/or computing resources in a group of computer equipment with minimum access delay while slowing down said logical access as little as possible, said group of computer equipment exchanging data with a computer telecommunication network via said access device, and said data comprising transported data that conform to at least one application protocol, as well as transport data, said access device comprising:
 - an operating system that includes an appropriate analysis module for each application protocol;
 - a filtering module for filtering said transported data in said operating system by means of said analysis modules.
16. (Original) The access device of claim 15, wherein each analysis module implements a finite-state machine representing a given application protocol.
17. (Original) The access device of claim 15, wherein said analysis modules comprises a first information processing module for verifying the conformity of said transported data with said application protocols involved.

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18. (Original) The access device of claim 15, wherein said analysis modules comprises an information processing module for restricting the capabilities offered by an application protocol.
19. (Original) The access device of claim 18, further comprising a parameterization module for parameterizing said analysis modules in accordance with predetermined restrictions by a network administrator.
20. (Original) The access device of claim 16, wherein said analysis modules comprises a first information processing module for verifying the conformity of said transported data with said application protocols involved.
21. (Original) The access device of claim 16, wherein said analysis modules comprises an information processing module for restricting the capabilities offered by an application protocol.
22. (Original) The access device of claim 17, wherein said analysis modules comprises a second information processing module for restricting the capabilities offered by an application protocol.